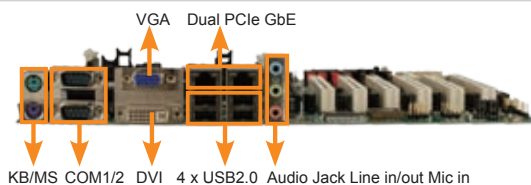
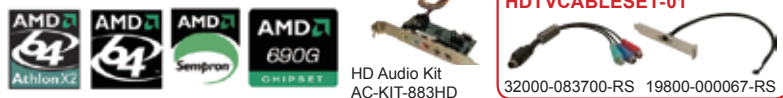
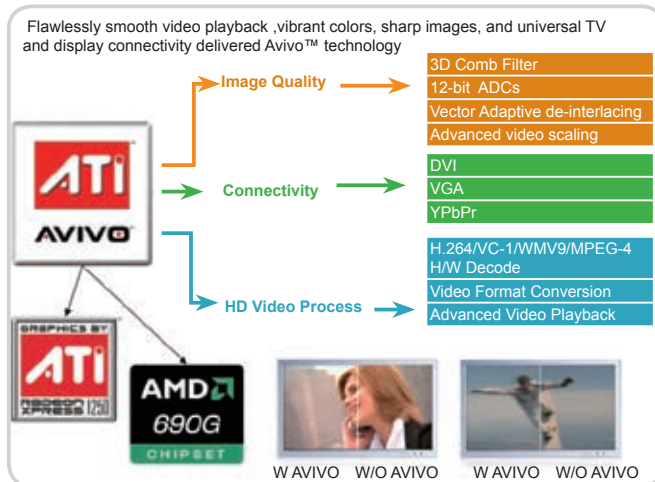
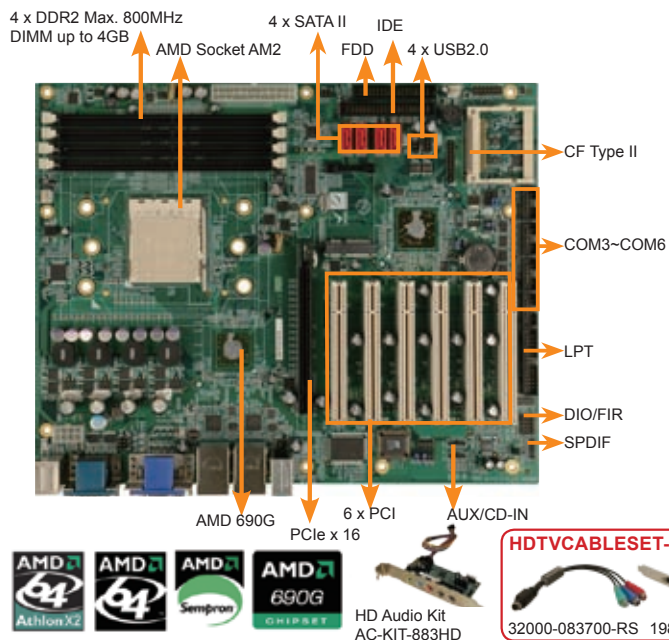


# IMBA-690AM2

ATX Form Factor with AMD Athlon™ 64, AMD Athlon 64 X2 Dual-Core, AMD Athlon 64 FX, or AMD Sempron™ Processor, AMD 690G & SB600 Chipsets, VGA/ DVI/TV-out Multi-display Interfaces support dual displays, 4 x SATA II with RAID Functions, Dual PCI GbE, PCI & PCIe x16 Expansion Slot, COM, USB2.0, Audio



## Specifications

- ◆ CPU  
AMD Athlon™ 64, AMD Athlon 64 X2 Dual-Core and AMD Sempron™ Socket AM2 processors
- ◆ HyperTransport™ Technology  
200/400/600/800/1000MHz Hyper Transport
- ◆ System Chipset  
AMD 690G + AMD SB600
- ◆ BIOS  
AMI Flash BIOS
- ◆ System Memory  
4 x 240-pin DIMM Socket Dual Channel DDRII 400/533/667/800MHz up to 8GB
- ◆ Ethernet  
Dual Broadcom BCM5787M PCIe GbE chipsets with ASF 2.0 support
- ◆ I/O Interface  
5 x RS-232(3 by pin header) 1 x RS-232/422/485 (COM3)  
8 x USB 2.0(4 by pin header) 4 x SATA II with RAID 0, 1, 10 support  
1 x IDE 1 x FDD  
1 x LPT 2 x PS2 for KB/MS
- ◆ Expansion  
1 x PCIe x16 6 x PCI slots 1 x PCIe Mini Slot
- ◆ Digital I/O  
8-bit digital I/O, 4 input/ 4 output
- ◆ IrDA  
5-pin header from Super I/O
- ◆ Super I/O  
F71882FG
- ◆ Graphic  
1. ATI Radeon Express 1250 graphic engine integrated in AMD 690G provides VGA/DVI-I/TV(S-Video, Composite, Component) interfaces  
2. AVIVO provides advanced scaling, color correction of video playback processing, H/W decoding(WMV9, MPEG2/MPEG4), 2D/3D H/W Accelerating  
3. Supports max.1080i HDTV format of YPbPr component output and NTSC/PAL TV with S-Video/Composite output
- ◆ Dual Display Configurations  
DVI + VGA , TV(Composite, S-Video, Component) + DVI
- ◆ Display Interfaces  
VGA / DVI-D / TV-out supports 1080i HDTV resolution output
- ◆ Audio  
AC'97 codec with Realtek ALC655 support 5.1 channel with Line in/Line out/Mic in audio jack
- ◆ SSD  
CF Type I/II
- ◆ Watchdog Timer  
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply  
ATX Power
- ◆ Power consumption  
12V@ 2.24A, 5V@2.62A, 3.3V@1.167A (AMD Athlon 64 3200+ 2.0GHz , DDR2 667MHz, 512M x 2)-3DMark® 2001 SE 330
- ◆ Temperature  
operation: 0°C ~ 60°C ( 32°F ~ 140°F)
- ◆ Humidity  
operation: 5% ~95% non-condensing
- ◆ Dimension  
305mm x 244mm
- ◆ Weight  
GW:1.5Kg

## Features

1. AMD Socket AM2 Processor with HyperTransport™ Technology supported
2. Built in AMD 690G-Top-grade Choice of Integrated Multi-Media Platform
3. Support DVI/VGA/TV-out Multi-display interfaces and Dual Display supported
4. 4 x SATA II support Raid 0, 1, 0+1 Function
5. 6 x PCI & 1 x PCIe x16 Slots for advanced expansion capability

## Packing List

1 x IMBA-690AM2 single board computer
1 x Mini jumper pack
1 x ATA66/100 flat cable (P/N: 32200-000052-RS)
4 x SATA cable (P/N: 32000062800-RS)
2 x SATA power cable (P/N: 32100-088600-RS)
2 x RS-232 cable (P/N:32200-004101-RS)
1 x I/O shielding (P/N:45014-0008C0-00-RS)
1 x Utility CD
1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
IMBA-690AM2-R10	ATX Form Factor with AMD Athlon 64, AMD Athlon 64 X2 Dual-Core, AMD Sempron™ processor, VGA/DVI/TV-out, Dual PCIe GbE, USB 2.0, SATAII and Audio
32200-000017-RS	FDD Cable
19800-000049-RS	LPT Cable
CB-USB14-RS	4 Ports USB Cable with Bracket, 2 x (2 x 4p) 2.54mm pitch connector
HDTV CABLESET-R10	HDTV Cable Set with Component/S-video output
24105-000029-RS	AMD Athlon 64 X2 Dual-Core 3400+ 1.8GHz; 512KBx2, 1000MHz, TDP 35W, Socket AM2 (940 pins), RoHS
24105-000052-RS	AMD Athlon 64 Single-Core 3000+ 1.8GHz; 512KBx2, 1000MHz, TDP 35W, Socket AM2 (940 pins), RoHS
TPM-IN01-RS	20-pin Infineon TPM Module with Driver & S/W
TPM-SI01-RS	Management Tool CD 20-pin Sinosun TPM Module with Driver & S/W
TPM-WI01-RS	Management Tool CD 20-pin Winbond TPM Module with Driver & S/W Management Tool CD